

Hydrogen Workshop

**Break-out Group
on Coal-Based**

September 20, 2000



Group Agreement

- **The group agreement:**
 - For H₂ from coal -- need a large central plant
 - Transport: H₂ / electricity / CO₂
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Project Ideas

- **Use existing gasifier facility - take slip stream to demonstration purification/separation H₂ to produce a H₂ product that is amenable to running a vehicle fleet**
- **National Test Facility**
 - for separation/purification storage, sequestration
 - co-production options
- **Explore alternate gasifiers for making H₂**
 - ZECA, indirect, steam gasification
- **Consider syngas**
 - low temp separation



More Project Ideas

- **CCT project with subsidy**
 - Private sector build IGCC for electric power
 - Government subsidy H2 production aspect only
- **Recovery of coalbed methane**
 - Methane conversion to H2
 - H2 use for mine vehicles and mining equipment
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